



U.S. Department
of Transportation

**Research and
Special Programs
Administration**

MAR 3 2000

400 Seventh Street, S.W.
Washington, D.C. 20590

DOT-E 10184
(EIGHTH REVISION)

EXPIRATION DATE: February 28, 2002

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Honeywell International Inc. (formerly AlliedSignal)
Morristown, New Jersey

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of specific gas mixtures that are commercially free of corroding components in DOT Specification 4B, 4BA or 4BW cylinders retested in accordance with the provisions of 49 CFR §§ 173.34(e)(11) and (e)(13). This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.34(e)(11) and (e)(13) in that other gas mixtures commercially free of corroding components are allowed.
5. BASIS: This exemption is based on the application of Honeywell International December 29, 1999, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
1,2-Dichloro-1,1,2,2-tetrafluoroethane	2.2	UN1958	n/a
Ethylene oxide and chlorotetrafluoroethane mixture	2.2	UN3297	n/a
Ethylene oxide and pentafluoroethane mixture	2.2	UN3298	n/a
Ethylene oxide and dichlorodifluoromethane mixture	2.2	UN3070	n/a
Ethylene oxide and carbon dioxide mixtures	2.2	UN1041	n/a
Liquefied gas, n.o.s.	2.2	UN3163	n/a
Liquefied gas, toxic, n.o.s. (ethylene oxide, chlorodifluoromethane)	2.3	UN3162	n/a
Pentafluoroethane	2.2	UN3220	n/a
1,1,1,2-Tetrafluoroethane	2.2	UN3159	n/a

7. SAFETY CONTROL MEASURES:

- a. PACKAGING - Packagings prescribed are DOT Specification 4B, 4BA or 4BW cylinders.
- b. TESTING - Each cylinder may be requalified and marked in accordance with §§ 173.34(e)(11) and (e)(13).
- c. OPERATIONAL CONTROLS - Each cylinder must be protected externally by corrosion resistant coatings in accordance with § 173.34(e)(11); and the contents of cylinder must be free of corroding components.

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8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modifications or changes are made to the package and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each cylinder authorized herein must be marked "DOT-E 10184" as required by § 172.301(c).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption. The shipper must furnish a copy of this exemption to the air carrier before or at the time the shipment is tendered.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when this exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



For Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety

MAR 3 2000

(DATE)

Address all inquiries to: Associate Administrator for
Hazardous Materials Safety, Research and Special Programs
Administration, Department of Transportation, Washington, D.C.
20590.

Attention: DHM-31.

The original of this exemption is on file at the above office.
Photo reproductions and legible reductions of this exemption
are permitted. Any alteration of this exemption is
prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S.
Department of Transportation, 400 7th Street, S.W.,
Washington, DC 20590-0001, Attention: Records Center, 202-366-
5046.

Dist: FAA, FHWA, FRA, USCG
PO: KFW

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APPENDIX

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Gas Tech, Inc. Hillside, IL	Jan 25, 2000	Mar 3, 2000	Feb 28, 2002
Praxair, Inc. Danbury, CT	Mar 6, 2000	MAR 31 2000	Feb 28, 2002



for Robert A. McGuire
Acting Associate Administrator for
Hazardous Materials Safety